

## IN THE CLAIMS

1. (Currently amended) An apparatus comprising:

a thermally conductive plate to be placed in contact with a heat generating device  
wherein the heat generating device is selected from a group consisting of a processor, a chipset, a graphics controller, and a memory controller;

a fluid loop coupled to the plate to circulate fluid and have the fluid absorb heat from the plate, the fluid loop to thereafter pass the fluid to a heat exchanger, the fluid containing magnetic nanoparticles and deionized water, to facilitate cooling of the heat generating device; and

[[a]] an electro-magnetic pump to circulate the fluid through the fluid loop.

2. (Previously Presented) The apparatus of claim 1, wherein the fluid loop is coupled to the heat exchanger.

3.-6. (Canceled)

7. (Original) The apparatus of claim 1, wherein the nanoparticles are selected from a group comprising of copper, iron, gold and ceramic.

8. (Canceled)

9. (Previously Presented) The apparatus of claim 1, wherein the fluid loop is a single phase fluid loop.

10. (Previously Presented) The apparatus of claim 1, wherein the fluid loop is a two phase fluid loop.

11.-12. (Canceled)

13. (Currently amended) A system comprising:

a heat generating device wherein the heat generating device is selected from a group consisting of a processor, a chipset, a graphics controller, and a memory controller;

a thermally conductive plate in thermal contact with the heat generating device;

a fluid loop coupled to the plate to circulate fluid and have the fluid absorb heat from the plate, the fluid loop to thereafter pass the fluid to a heat exchanger, the fluid containing deionized water and magnetic nanoparticles, to facilitate cooling of the heat generating device; and

[[a]] an electro-magnetic pump to circulate the fluid through the fluid loop.

14. (Previously Presented) The system of claim 13, wherein the fluid loop is coupled to the heat exchanger.

15.-18. (Canceled)

19. (Previously Presented) The system of claim 13, wherein the nanoparticles are selected from a group comprising of copper, iron, gold and ceramic.

20. (Canceled)

21. (Previously Presented) The system of claim 13, wherein the fluid loop is a single phase fluid loop.

22. (Previously Presented) The system of claim 13, wherein the fluid loop is a two phase fluid loop.

23.-28. (Canceled)